

IMPROVEMENT OF THE QUALITY OF RISK INFORMATION FOR REGULATORY DECISIONMAKING

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- **Focused on several aspects of PRA methodology and practice that need to be addressed to achieve comprehensive high quality PRAs**
- **Improving the scope and quality of the PRAs is very important to the advancement of risk-informed regulation**
- **PRA insights may be affected significantly by PRA scope and quality**

- **Completeness of risk information requires that PRAs address low-power and shutdown (LPSSD) modes and “external” events, such as fires, in addition to power operations**

- **Use of bounding analyses to account for the missing PRA elements does not necessarily lead to conservative decisions**

- **The staff should develop guidance on how licensees and peer-review teams should consider operating experience to improve PRA completeness**

- **It has been suggested that as many as 20% of the events evaluated by the Accident Sequence Precursor (ASP) Program involve initiating events and accident sequences not modeled in existing PRAs**

- **The assessment of uncertainties should address model uncertainties**
- **Guidance for the quantitative evaluation of such uncertainties should be developed**